

ABSTRACT

There is provided a method for surface treating where the environmental load is small. The surface treating method of the invention comprises that a cluster bonded by the first molecule and the second molecule by means of an intermolecular force is produced in a gas phase. At least a part of internal energy released in producing the cluster is utilized whereby the first molecule contained in the cluster is made in a state having higher reactivity than that of the first molecular not bonded with the second molecular. The surface of the member to be treated is treated in a gas phase with the cluster containing the first molecule made in a state of higher reactivity.